

ECE ÖZDEMİR BABAVATAN

LECTURER

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Educational Information

PhD 2015 8/September/2020	YILDIZ TECHNICAL UNIVERSITY GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES/BICHEMISTRY Thesis name: Immobilization and Characterization of Rhizomucor miehei Lipase to Various Carriers (2020) Thesis Advisor:(AYŞEGÜL PEKSEL)
MSc 2013 3/July/2015	YILDIZ TECHNICAL UNIVERSITY GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES/BICHEMISTRY Thesis name: Investigation of Antioxidant and DNA Binding Effects of Traditional Fermented Probiotic Foods (2015) Thesis Advisor:(AYŞEGÜL PEKSEL)
BSc 2009 17/June/2013	YILDIZ TECHNICAL UNIVERSITY FACULTY OF SCIENCE AND LETTERS/CHEMISTRY

Tasks

LECTURER 2020	İSTANBUL AYDIN ÜNİVERSİTİ/ VOCATIONAL SCHOOL OF HEALTH SERVICES / MEDICAL SERVICES AND TECHNIQUES DEPARTMENT / MEDICAL LABORATORY TECHNIQUES PR. (FULL SCHOLARSHIP)
LECTURER 2017-2020	AVRUPA VOCATIONAL SCHOOL / EUROPEAN VOCATIONAL SCHOOL / DEPARTMENT OF MEDICAL SERVICES AND TECHNIQUES)

Tasks in Projects:

1. Production of Renewable Energy from Carbon Dioxide (CO₂) by Multidimensional Mutational Analysis of the Active Region of Formate Dehydrogenase Enzymes, COST, Scholar: ÖZDEMİR BABAVATAN ECE, Coordinator: BİNAY BARIŞ, Scholar: Çakar Mehmet Mervan, 01/06/2015 - 01/08/2018 (INTERNATIONAL)
2. Investigation of Antioxidant and Antimutagenic Effects of Traditional Probiotic Products, a scientific research project supported by Higher Education Institutions, Researcher: ÖZPINAR AYŞİN, Researcher: ÖZDEMİR BABAVATAN ECE, Researcher: ALTAŞ NİLAY, Coordinator: PEKSEL AYŞEGÜL, 02/01/2012 - 02/02/2018 (NATIONAL)

Administrative

Commission Member 2020	İSTANBUL AYDIN ÜNİVERSİTESİ/ VOCATIONAL SCHOOL OF HEALTH SERVICES
Board Membership 2019-2020	AVRUPA VOCATIONAL SCHOOL/ CONTINUOUS EDUCATION APPLICATION AND RESEARCH CENTER
Exam in Charge 2018-2020	AVRUPA VOCATIONAL SCHOOL
Commission Member 2018-2020	AVRUPA VOCATIONAL SCHOOL
Commission Member 2018-2020	AVRUPA VOCATIONAL SCHOOL

Lessons *

Language of instruction Lesson Hour

2019-2020

Associate degree

LABORATUVAR GÜVENLİĞİ	Turkish	4
GENEL KİMYA	Turkish	2
BİYOKİMYA	Turkish	12
ENSTRÜMENTAL ANALİZ	Turkish	8
KİMYA	Turkish	6
KLİNİK BİYOKİMYA	Turkish	8
TIBBİ LABORATUVARDA TEMEL HESAPLAMALAR	Turkish	4
GENEL KİMYA	Turkish	3
KİMYA	Turkish	4

2018-2019

Associate degree

BİYOKİMYA	Turkish	6
LABORATUVAR GÜVENLİĞİ	Turkish	4
KİMYA	Turkish	6
TIBBİ LABORATUVARDA ORGANİZASYON	Turkish	4
KLİNİK BİYOKİMYA	Turkish	8

2017-2018

Associate degree

KİMYA	Turkish	6
GENEL BİYOKİMYA	Turkish	4
LABORATUVAR KİMYASI	Turkish	6
KLİNİK BİYOKİMYA-II	Turkish	8
BİYOKİMYA	Turkish	6
TIBBİ LABORATUVARDA ORGANİZASYON	Turkish	4

Works

Articles published in international refereed journals:

1. ÖZDEMİR BABAVATAN ECE, YILDIRIM DENİZ, PEKSEL AYŞEGÜL, BİNAY BARIŞ (2020). Immobilization of Rhizomucor miehei lipase onto Montmorillonite K-10 and polyvinyl alcohol gel. *BIOCATALYSIS AND BIOTRANSFORMATION*, 38, 274-282., Doi: 10.1080/10242422.2019.1701660 (Article Number: 5531309)
2. de Albuquerque Tiago L., Rueda Nazzoly, dos Santos Jose C. S., Barbosa Oveimar, Ortiz Claudia, Binay Baris, ÖZDEMİR BABAVATAN ECE, Goncalves Luciana R. B., Fernandez-Lafuente Roberto (2016). Easy stabilization of interfacially activated lipases using heterofunctional divinyl sulfone activated-octyl agarose beads. Modulation of the immobilized enzymes by altering their nanoenvironment. *PROCESS BIOCHEMISTRY*, 51(7), 865-874., Doi: 10.1016/j.procbio.2016.04.002 (Article number: 5726259)

B. Papers presented at international scientific meetings and published in proceedings:

1. ÖZDEMİR BABAVATAN ECE, BİNAY BARIŞ, PEKSEL AYŞEGÜL (2018). Immobilization and Characterization of Rhizomucor miehei lipase onto different supports. 1.EBAT Eurasia Biochemical Approaches and Technologies Congress, 113-113. (Abstract Paper / Poster)(Article Number:5726792)
2. ÖZDEMİR BABAVATAN ECE, ALTAŞ NİLAY, Ozpinar Aysin, Peksel Aysegul (2014). Functional properties of the traditional Turkish fermented milk products: kefir and yoghurt. , III World Congress of Public Health Nutrition (Abstract Paper / Poster)(Article Number:5728792)
3. ÖZDEMİR BABAVATAN ECE, Peksel Aysegul (2014). Antioxidant capacities of the traditional fermented vegetable-based foods of Turkey. III World Congress of Public Health Nutrition (Abstract Paper / Poster Article Number:5726867)
4. ÖZDEMİR BABAVATAN ECE, ALTAŞ NİLAY, Peksel Aysegul (2014). Immobilization of pullulanase on amberlite and investigation of some properties. International "Enzymes for Biocatalysis" Workshop (Abstract Paper / Poster)(Article Number:5726762)

E. Papers presented at national scientific meetings and published in proceedings:

1. ÖZDEMİR Ece, ASLAN Aşkın Sevinç, ALTAŞ KIYMAZ Nilay, ORHAN Nurdagül, PEKSEL Aysegul (2013). Atıkların Enzim Kaynağı Olarak Değerlendirilmesi ve İmmobilize Enzimlerin Avantajları. YTÜ 3. Ar-Ge Proje Pazarı- Enerji Teknolojileri (Abstract Paper / Poster)(Article number:5726982)

Certificate

1. Pedagogical Formation, Educational Science, Yıldız Technical University, Certificate, 13.07.2014 - 13.01.2015 (National)
2. GLP, Good laboratory practices, TSC Management Systems Training Academy, Certificate, 14.03.2013 - 16.03.2013 (National)
3. GMP, Good Manufacturing Practices, TSC Management Systems Training Academy, Certificate, 14.03.2013 -16.03.2013 (National)
4. ISO 17025, Laboratory accreditation, TSC Management Systems Training Academy, Certificate, 14.03.2013 -16.03.2013 (National)
5. First Aid, First Aid, İ.B.B., Certificate, 17.04.2006 -20.04.2006 (National)